

## ESPRIMO Q Series

### The mini with more PC per inch<sup>3</sup>

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The ESPRIMO Q Series opens a new chapter on performance, size and design.

With its extremely small and stylish design, the new Professional Mini PC satisfies a so far unanswered business need: Professional PC is fashionable. Moreover, powered by latest Intel® Mobile Technology, the ESPRIMO Q Series is very silent and offers high energy efficiency.

Add an eye catcher to your desk instead of buying expandability you never use.

#### Reliability

- Excellent product quality in a stylish, elegant housing
- Product design and assembly of ESPRIMO Mini PC by Fujitsu Siemens Computers in Germany

#### Ergonomics

- Sophisticated system design provides the most silent system for an efficient working environment
- Extremely space saving for best usability where space an issue

#### Customizing

- Tailor-made products to meet customer individual requirements possible
- Perfect adaptation to customer specific needs - customizing cabinet with company logo and design

#### Security

- Access and data protection with sophisticated hardware and software components for data security
- Best physical and system security to protect your property

#### Energy Efficiency:

- Lower energy cost due to less power consumption
- Compared to a two years old typical PC system, the ESPRIMO Q Series saves at least 90 kWh a year.
- Certified with the new Energy Star 4.0
- In regards to Total Cost of Ownership, this saves 13 €\* energy cost per year e.g. in Germany\*Calculation: 1h peak, 7h idle mode, 16h stand by off, 220 working day, 145 day off, 17€/kWh



	Q5020
<b>Mainboard</b>	
Chipset	
Northbridge	Intel GM965
Southbridge	ICH 8-M
Processor socket	Socket P
Front side bus	533 / 667 / 800 MHz
BIOS version	Phoenix Award BIOS
Flash EPROM BIOS update by software	x
Recovery BIOS	x
<b>Processor</b>	
Intel® Core™2 Duo	T7250 (2,0 GHz)
Second level cache	2048 KB
Front side bus (FSB)	800 MHz
Intel® Core™2 Duo	T5270 (1,4 GHz)
Second level cache	2048 KB
Front side bus (FSB)	800 MHz
Intel® Core™2 Duo (value4you)	Core™ 2 Duo 1,5 GHz
Second level cache	2048 KB
Front side bus (FSB)	667 MHz
Intel® Celeron	540 (1,86 GHz)
Second level cache	1024 KB
Front side bus (FSB)	533 MHz
<b>Memory</b>	
Memory support	DDR2
DIMM slots	2
dual channel support	x
Max. capacity DDR SDRAM 400 MHz	-
Max. capacity DDR2 SDRAM 533 MHz	up to 4 GB
Max. capacity DDR2 SDRAM 667 MHz	up to 4 GB
<b>Interfaces</b>	
Mouse/keyboard (PS2)	-
Serial (9pi, 16 byte FIFO, 16550 compatible)	-
Parallel (25pin with EPP and ECP)	-
Display (15 pin, VGA)	via DVI to VGA-Adapter
Display (DVI)	1
TV-out	1x S-Video
Micro (mono) rear	1
Line in (stereo) rear	1
Line out (stereo) rear	1
Micro (mono) front	-
Headphone in front	-
SPDIF out	optical
LAN RJ45	1
Universal Serial Bus (USB 2.0) in total	4
therefore	
USB rear	2
USB front	2
USB internal	-
FireWire	1
WLAN 802.11 g 54 Mbit	optional
Bluetooth V2.0	optional
<b>LAN on board</b>	
10/100/1000 MBit/s	x
Intel 82566MM	
Wake up on LAN (WOL)	x
PXE	x
BootP	-
<b>Audio on board</b>	
Internal speaker supports audio playback	-
High definition audio	RealTek ALC888
<b>I/O controller onboard</b>	
Fast IDE/Ultra DMA-100 bus master capability	x
Serial ATA II (NCQ/3GBit)	1
Raid 1/0	-
<b>Hard disk drives</b>	
Serial ATA 40/80/120/160 GB	-/x/x/x
Serial ATA II	-
supporting NCQ and 3GBit (if chipset support is available)	-
<b>Optical drives (IDE)</b>	
CD-RW Combo drive	x
DVD+/- RW Dual layer (+R) Multiformat DVD writer with double layer support	x
<b>Slots</b>	
mini PCI	-
miniCard	1 (for optional WLAN)
PCI	-
PCI Express x16	-
PCI Express x1	-
<b>Graphic on board</b>	
Intel® GMA3100	
Direct X9	x
DualView	DVI and VGA
Max. resolution for external displays	1920 x 1200 / true color / 75 Hz (tbc.)
<b>Power supply</b>	
AC adapter	19V/90W
Rated voltage (AC input) 100 - 240 V	x
Rated frequency 50 - 60 Hz	x

DC output	19 V, 4,74 A
<b>Power consumption for standard configuration (W)</b>	T7250 (2,0 GHz)
Maximum (S0, running app. CD in use)	54W
Average (S0, running OS, Idle mode)	29W
Stand by (S3, energy saving modus, WOL enabled)	-
Minimum (ACPI status S5, soft off, WOL enabled)	2,7W
<b>Heat dissipation (kJ/h / BTU/h) / CPU</b>	
Maximum (S0, running app. CD in use)	194 kJ/h / 184 BTU/h
Average (S0, running OS, Idle mode)	104 kJ/h / 99 BTU/h
Stand by (S3, energy saving modus, WOL enabled)	-
Minimum (ACPI status S5, soft off, WOL enabled)	9,7 kJ/h / 9,2 BTU/h
1W = 3,6kJ/h, 1W = 3,4121BTU/h	
<b>Noise for standard configuration (HDD, ODD)</b>	
A weighted sound power level L <sub>wad</sub> (in B) / Workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), (bystander position) (ISO9296)	
Operation mode 1: ODD load (Blue angel requirement)	33.2 dB
Operation mode 2: HDD load (Blue angel requirement)	23.3 dB
Operation mode 3: CPU 90% load (Blue angel requirement)	23.9 dB
Operation mode 4: High load	32.4 dB
Operation mode 5: Office applications	23.7 dB
Idle mode (Blue angel requirement)	18.3 dB
<b>Operating temperatures</b>	
Ambient temperature (IEC 721)	5° - 35° C
Relative humidity (non-condensing)	20% - 85%
Dimensions (H x W x D)	50 x 165 x 165 mm
Operating position (vertical/horizontal)	- / x
Weight (depending on config)	1.7 kg
<b>Approvals and standards</b>	
CE certification	
according to EU Directives 89/336/EEC (EMC) and 06/05/EC (Product safety)	x
Ergonomics	
ISO9241 (GS mark)	-
Product safety	
IEC60950, EN60950, UL 60950, CSA22.2, UL 60950, CSA22.2, No.60950	x
Electromagn. compatibility	
EN55022/B, EN55024, EN61000-3-2/3 / FCC class B	x / -
Environmental compatibility	
Energy Star	x (4.0)
Blue Angel 2007	-
Nordic Swan	-
<b>Software (compatibility / preinstalled)</b>	
Microsoft Windows XP Home	x / -
Microsoft Windows XP Professional	x / -
Microsoft Windows Vista® 32bit	x / optional
Microsoft Windows Vista® Basic Logo (min. 512MB RAM necessary)	-
Microsoft Windows Vista® Premium Logo (min. 1GB RAM and Dual Channel memory necessary)	x
<b>Additional Software (compatibility / preinstalled)</b>	
Recovery DVD (Microsoft Windows XP / Vista)	optional
Driver and Utility DVD	x
<b>Security</b>	
Physical security	
Kensington Lock support	x
User Security	
User and supervisor BIOS password	x
Hard disk password	-
<b>Serviceability</b>	
FlexySlot	-
EasyFix	-
EasyChange (for HDD / for optical drives)	-
EasyPull	-
<b>Packaging information</b>	
Dimension outside (H x W x D) in mm	395x198x284
Max. quantity/ pallet	84
Material/ weight in g	
Carton	670g
EPS / PS	appr. 10g
PE	appr. 125g
printed user documentation is bleached in chlorin free process	
Logos	

**Recycling information/ End of life service information**

product is designed for easy recyclability  
information about take back and recycling can be found here

<http://www.fujitsu-siemens.com/recycling>

information about environmental initiatives, policies, programs and goals can be found here

<http://www.fujitsu-siemens.com/aboutus>

**Product material information**

for all restricted substances see the Environmental guideline FSC03230

The data reflects laboratory performance only. The customer configuration may perform differently, depending on the software, components and peripherals connected.